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CIA-RDP86-00513R001859430008-3

EWT (m) JR L 07056-67 UR/0089/66/020/003/0277/0279 ACC NR: SOURCE CODE: AP6021634 (A) AUTHOR: Vereskunov, V. G.; Zakharova, K. P.; Kulichenko, V. V.; Zinakov, ORG: none TITIE: Use of the hest of chemical reactions for thermal reprocessing of liquid radioactive waste SOURCE: Atomnaya energiya, v. 20, no. 3, 1966, 277-279 TOPIC TAGS: radioactive waste disposal, vitrification, metal ceramic material, thermal process ABSTRACT: This is a review article dealing with various possible effects connected with the vitrification of liquid radioactive waste. The authors propose, in view of the lack of materials with sufficient thermal and chemical endurance for the construction of equipment in which liquid radioactive waste can be converted into solid vitreous materials, that the vitrification be effected in the radioactive graveyard itself and that the heat be drawn for this purpose directly from radiative self-heating of the radioactive material. This would permit the use of higher temperatures. A specially advantageous reaction for this purpose is the metallothermic reaction $Me_mO_n + q'ie' - Me_q'O_n + mMe + Q$, where Me_mO_n serves in this case as the oxidizer and Me' as the reducer. The possible choice of oxidizers and reducers is discussed, and the heat released in several typical reactions, with Fe203, Cr203, or MnO2 as oxidizers and Al, CaSi3, and SiAl as reducers are presented. Various possible features of the UDC: 621.039.75: 542.65: 536.66 Card 1/2

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mat	reactions are discussed and it is concluded that the chemical stability of the molten material obtained as a result of metallothermic reaction exceeds the chemical stability of the molten compounds prepared in furnaces. Orig. art. has: 2 formulas and 1 table.									
SUB	CODE:	18/	SUEM DATE:	01Nov65/	ORIG REF:	005/	OTH REF:	001	* *************************************	
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AFANAS'YEV, Nikolay Arsent'yevich; VERESKUNOV, Vadim Konstantinovich; PROLOF'YEV, Petr Sergeyevich; MIKEYEV, A.K., red.

[Fire safety of industrial enterprises] Pozharnaia bezopasnost' promyshlennykh predpriiatii. Moskva, Izd-vo MKKH RSFSR, 1963. 245 p. (MIRA 17:5)

到起来的经济还是一个工作的,但是一个工作,这个工作,这个工作,是一个工作,是一个工作,是一个工作,但是一个工作,但是一个工作,但是一个工作,但是一个工作,但是一个工作,

VERESKUROV, Vadim Konstantinovich; SHUVALOV, Mikhail Grigor'yevich; RUBIN, A.A., nauchn. red.; TABUNINA, M.A., red.; TARKHCVA, K.Ye., tekhn. red.

[Fire safety in the performance of construction and erection work] Pozharnaia bezopasimost' pri proizvodstve stroitel'nomontazhnykh rabot. Moskva, Gosstroitedet, 1963. 111 p. (MIRA 16:12)

(Construction industry—Fires and fire prevention)

RUBIN, Abram Aleksandrovich; <u>VERESKUNOV</u>, <u>V.K.</u>, red.; KOMONOV, A.S., red.izd-va; LELYUKHIN, A.A., tekhn. red.

[Fire prevention measures in the construction and operation of stoves] Protivopozharnye meropriiatiia pri ustroistve i ekspluatatsii pechei. Moskva, Izd-vo M-va kommun.khoz.
RSFSR, 1962. 75 p. (MIRA 16:5)
(Stoves) (Fire prevention)

ARKHIPOV, Konstantin Nikolayevich; SOLOV'YEV, Nikolay Vasil'yevich, prof.; Prinimali uchastiye: GLEBOV, A.G.; TOLCHINSKIY, S.S.; ZOLOTNITSKIY, N.D., doktor tekhn. nauk, prof., red.; VERESKUNOV, V.K., nauchnyy red.; ZHURAVLEV, B.A., red.izd-va; KASIMOV, D.Ya., tekhn. red.

[Fundamentals of dafety engineering and fire prevention in the building materials industry]Osnovy tekhniki bezopasnosti i protivopozharnoi tekhniki v promyshlennosti stroitel'nykh materialov. Pod obshchei red. N.D.Zolotnitskogo. Moskva, Gosstroiizdat, 1962. 295 p. (MIRA 16:1)
(Building materials industry—Fires and fire prevention)

(Industrial safety)

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VERESKUNOV, Vadim Konstantinovich; LESNYAKOV, F.I., red.; GALAKTIONOVA, Ye.N., tekhn. red.

[Fire prevention measures for drivers]Shoferu o pozharnoi bezopasnosti. Moskva, Avtotransizdat, 1962. 65 p. (MIRA 15:10)

(Motor vehicles-Safety measures)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859430008-3"

VERESKUNOV, Vadim Konstantinovich; AFANAS'YEV, Nikolay Araent'yevich; AMMOSOV, F.A., red.; MYAKUSHKO, V.P., red.izd-va; KARLOVA, G.L., tekhn. red.

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> [Worker's guide on fire prevention] Rabochemu o pozharnoi bezopasnosti. Moskva, Goslesbumizdat, 1963. 62 p. (MIRA 16:6) (Woodworking industries--Fires and fire prevention)

YERESKUNOV, Vadim Konstantinovich; AFANAS'YEV, Nikolay Afanas'yevich; SHALYT, N.A., red.; DORODNOVA, L.A., tekhn. red.

[Fire prevention in agricultural production] Pozharnsia bezopasnost' v sel'skokhoziaistvennom proizvodstve. Moskva, Proftekhizdat, 1963. 55 p. (MIR! 16:5) (Fire prevention)

(Agricultural machinery--Maintenance and repair)

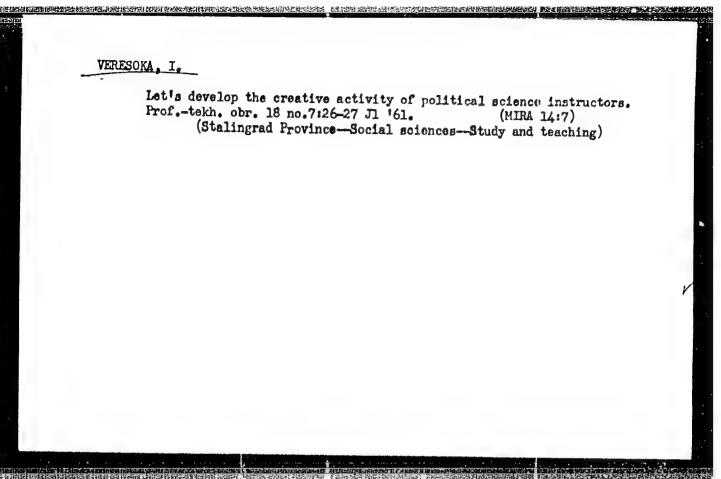
VERESKUTI, Istvan

"1960 census: profile of the nation" by A.W. Atwood and L. Aikmann. Reviewed by Istvan Vereskuta. Stat szemle 38 no.4:432-433 Ap 160.

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MALEVSKIY, A.Yu.; RIKHTER, T.L.; VERESM G.I.

Lead-bismuth sulfo salts and isomorphic substitution of selenium for sulfur in them. Trudy IMGRE no.18:30-43 '63. (MIRA 16:12)



レニリムシャハカーム AUTHOR: Veresoka, I. 27-4-10/25 TITLE: A Meeting of the Leading Competitors of Udmurtiya (Slet peredovikov sorevnovaniya Udmurtii) PERIODICAL: Professional no-Tekhnicheskoye Obrazovaniye, 1958, # 4, p 19 (USSR) ABSTRACT: The best pupils of the Labor Reserve in Schools in Udmurtiya met under the leadership of Ya.K. Bondarenko, their local chief. They reviewed their achievements and planned competitions for the future. The local timber combine "Udmurtles" was blamed by a teacher, Berestova, for not giving sufficient aid to the school. A 1958 plan was drawn up, including measures for eco-

nomies, repairs and re-equipment.

AVAILABLE: Library of Congress

Card 1/1

Let's raise the level of political knowledge. Proftekh.obr. 20 no.2:19-21 F '63. (MINA 16:2) (Political science-Study and teaching)

VERSKOV, I.M.

Thirteenth plemary session of the Central Resort Council of the Ministry of Public Health of the U.S.S.R. Vop.kur.fizioter. i lech. fiz.kult. 22 no.4:83-90 Jl-Ag '57. (MIRA 10:11)

1. Glavnyy meditainskiy inspektor Ministerstva zdravookhraneniya SSSR. (HEALTH RESORTS, WATERING PLACES, ETC.)

VERESKUNOV H., kand.tekhn.nauk

Compressed air locomotive. Mast. ugl. 7 no.9:22 S '58.

(Locomotives--Pneumatic driving) (MIRA 11:10)

(Mine railroads--Pneumatic driving)

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VIAL WORDS, S. P.

15-1957-1-1141 D

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 1,

p 181 (USSR)

AUTHOR:

Vereskunov, G. P.

TITLE:

Investigation of the Rotary Hole Drilling process in Hard Rocks (Issledovaniye rezhimov vrashchatel'nogo

bureniya shpurov v krepkikh porodalh)

ABSTRACT:

Bibliographic entry on the author's dissertation for the degree of Candidate of Technical Sciences, presented to the Dnepropetr. gorn. in-t. (Dnepropetrovsk

Mining Institute), Dnepropetrovsk, 1955.

ASSOCIATION:

Dnepropetr. gorn. in-t. (Dnepropetrovsk Mining

Institute), Dnepropetrovsk.

Card 1/1

VERESKUNOV, N. G.

Vereskunev, N. G. — "Investigation of an Air-Votor of a PML-Type Rock Loading Machine." Hin Higher Education USSR, Dnepropetrovsk Order of Later Red Banner Mining Inst imeni Artem, Dnepropetrovsk, 1955 (Dissertation for Degree of Candidate of Technical Sciences).

SO: Knizhnaya Latopis', No. 23, Moscow, June, 1955, pp. 87-104.

VERESKUNOV. V.

Safety measures for metion-picture projection. Pezh. dele 5 no.3:12-13 Mr '59. (MIRA 12:5)

1. Nachal'nik etdeleniya Glavnege upravleniya pesharney kemandy.
(Metien-picture prejection-Safety measures)

VERESKUNOV, V. G.

"Prospects of Using Fission Product Cource Radiation in Radiation Chemistry",
by N. V. Zimakov, E. V. Volkova, A. V. Fokin, V. V. Kulichenko, V. G. Vereskunov,
A. G. Bykov, and N. I. Bogdanov.

Report presented at 2nd UN Atoms-for-Peace Conference, Geneva, 9-13 Sept 1958

RUBIN, Abram Aleksandrovich; VERESKUNOV, V.K., red.; NIKOLAYEVA, T.A., red. izd-va; NAZAROVA, A.S., tekhn. red.

[Fire prevention measures in storage buildings] Protivopozharnye meropriiatiia v skladskom khoziaistva. Moskva, Izd-vo M-va kommun.

khoz. RSFSR , 1961. 109 p.
(Warehouses—Fires and fire prevention)

KHUDYNA, Ivan Semenovich; VERESKUNOV, V.K., red.; UCHITEL, I.Z., red. izd-ve; LELYUKHIH, A.A., tekhn.red.

[Fire safety of children's, educational, and medical institutions]
Pozharnaia bezopasnost' detskikh, uchebnykh i lechebnykh uchrezhdenii. Moskva, Izd-vo M-va kommun.khoz.RSFSR, 1959. 42 p.
(MIRA 12:11)

(Public institutions -- Fires and Fire prevention)

GORBACHNY, Ivan Nikolayevich; VMRESKUNOV, V.K., redaktor; VINOKUROVA, Ye.B., redaktor izdatel stva; KONTASHINA, A.D., tekhnicheskiy redaktor

[Manual for district fire inspectors] Posobie dlia raionnykh pozharnykh inspektorov. Moskva, Izd-vo M-va kommun.khoz. REFSR, 1957. 211 p.
(Fire prevention--Inspection) (MLRA 10:9)

JD/HM/GS ENT(m)/EMP(w)/T/EMP(t)/EMP(k) IJP(c) L 24468-66 SOURCE CODE: UR/0000/65/000/000/0004/0028 AT6010571 ACC NR: (N) AUTHOR: Martynov, Ye. D.; Veresnev, B. I.; Bulychev, D. K. Rodionov, K. P.; 43 Ryabinin, Yu. N. BH ORG: Institute of Physics of the Earth, AN SSSR, Moscow (Institut finiki Zemli AN SSSR); Institute of Physics of Metals, AN SSSR, Sverdlovsk (Institut Fiziki metallov AN SSSR) TITLE: Effect of high pressure on ductility and fracture of metals SOURCE: AN UkrSSR. Mekhanizm plasticheskoy deformatsii metallov (Mechanism of the plastic deformation of metals). Kiev, Naukova dumka, 1965, 4-28 TOPIC TAGS: pressure effect, material fracture, crystal defect, yield stress. ductility ABSTRACT: The effect of pressure on ductility of metals is studied from the standpoint of origin and development of flaws in materials subjected to deformation. The specimens were placed in a chamber (cylinder) and subjected to high hydrostatic pressure P, followed by tensile force Q (see figure). Several types of metals were studied. Formulas are given for critical stresses and pressures in cases where the Card 1/3

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ACC NR: AT6010571

joint action of plastic deformation and high pressure causes secondary changes in the metal such as recrystallization, phase transformations betc. It is shown that high pressure retards or completely suppresses the process of crack formation during teformati . Healing of flaws during deformation of metals under high pressure is discussed. It is found that a flaw ma; be completely closed by the application of external pressure only when this flaw has an infinitely thin wall (i.e. when it touches the outside surface of the specimen). Otherwise infinite pressure is needed to heal the flaw. Theoretical analysis shows that extremely high pressures are nec essary for healing flaws even when pressure and deformatic, are combined (several orders of magnitude greater than the yield stress of the material). However, exper iments show that this conclusion does not correspond to the observed facts. The reason for this discrepancy is that the anisotropy of actual polycrystals is discregarded in the theoretical calculations. Experiments combining the effect of pressure and deformation showed that flaws are noticeably closed by pressures of the same order as the stress of the material. The differences between the behavior of a theoretical isotropic solid and an actual anisotropic polycrystalline material subjected to pressure and deformation are analyzed. Orig. art. has: 15 figures, 38 formulas.

Card 2/3

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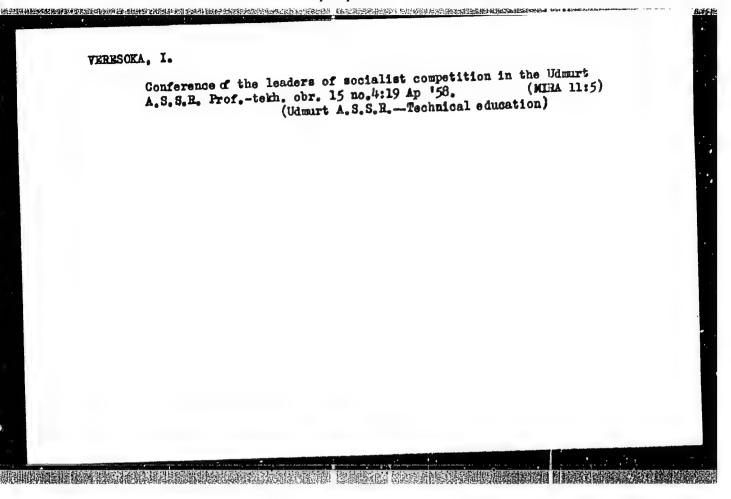
L 24468-66 ACC NR: AT6010571

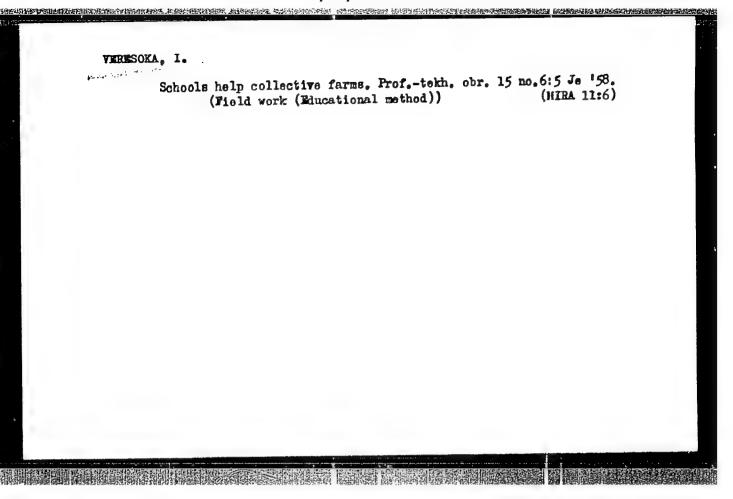
Fig. 1.

SUB CODE: 11 / SUBM DATE: 220ct64/ ORIG REF: 012/ OTH REF: 007

Card 3/3dda

27-58-6-5/35 Veresoka, I. AUTHOR: The Schools Help the Kolkhozes (Uchilishcha ponogayut TITLE: kolkhozam) Professional'no-Tekhnicheskoye Obrazovaniye, 1958, Nr 6, p 5 PERIODICAL: (USSR) Various schools decided to help the kolkhozes and sovkhozes by creating special repair and maintenance shops for agri-ABSTRACT: cultural machines and by making tools for already existing repair shops. The initiative of the collectives of the Kursk Technical School Nr 4 is described by the author. Not only did they promise to create repair shops for the kolkhozes of the oblast, but they also pledged themselves to deliver to the kolkhozes a certain number of lathes no longer of use to the school. Card 1/1 1. Apricultural machines-Maintenance 2. Educational dynamics-USSR 3. Education-USSR





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EL'TSINA, N.V.; VERESOTSKAYA, N.A.

Mechanism of the action of deoxyglucose on tumor cells. Biokhimiia 27 no.3:452-457 My-Je '62. (MIRA 15:8)

1. Institute of Experimental and Clinical Oncology, Academy of Medical Sciences of the U.S.S.R., Moscow.
(GLUCOSE) (CANCER RESEARCH)

VYRESOTSKAYA, N. A., and YELTSINA, N. V. (USSR)

"Mechanisms for Maintenance of the ATP Level in the Cancer Cell."

Report presented at the 5th International Biochemistry Congress, Moscow, 10-16 Aug 1961

BALASHOV, A.P.; BEBRIS, K.D.; VERESOTSKAYA, N.V.; DANOVICH, L.Ye.; DRIGUN, V.N.; KABICHKINA, S.I.; NOVIKOV, M.I.; SOKOLOV, V.D.

Improvement of the methods for the preparation of tread rubber compounds based on BR under the conditions of Dne-propetrovsk Tire Factory. Kauch. i rez. 23 no. 3:5-9 Mr '64. (MIRA 17:5)

l. Nauchno-issledovatel'skiy institut shinnoy promyshlernosti
i Dnepropetrovskiy shinnyy zavod.

BIBIGS, K.D.; VERESOTSKAYA, N.V.; KABICHKINA, S.I.; NOVIKOV, M.I.

Effect of the mechanical processing conditions in the process of mixing on the properties of compounds and vulcanizates. Kauch.i rez. 24 no.1:4-8 Ja '65. (MIRA 18:3)

1. Nauchno-issledovatel skiy institut shinnoy promyshlennosti.

SOV/138-59-3-7/16

AUTHORS: Veresotskaya, N.V., Bebris, R.D., Slonimskiy, G.L.

TITLE: Variations in the Properties of Crude Rubber Mixtures During Processing (Ob izmeneniyakh svoystv syrykh rezinovykh smesey v protsesse ikh tekhnologicheskoy

obrabotki)

PERIODICAL: Kauchuk i rezina, 1959, Nr 3, pp 27 - 53 (USSR)

ABSTRACT: The formation of free radicals in high-molecular substances due to the rupturing of the molecular chains during polymerisation, vulcanization and againg of rubbers has been described in various publications (References 1 - 9). These radicals initiate a number of secondary processes: the interaction of radicals with the chain molecules, the formation of branched chains, the oxidation processes, stabilisation of the radicals during the interaction with formation of saturated compounds. The authors investigated the properties of crude

Card 1/5 rubber mixtures based on butadiene-styrene rubber during

SOV/138-59-3-7/16

Variations in the Properties of Crude Rubber Mixtures During Processing

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their preparation and processing. Their plastic and elastic properties were tested on a Goodrich plastometer at 80°C when loading for 10 minutes and after a relaxation period of 10 minutes. Experimental results of non-processed and processed mixtures are shown in a graph in Figure 1. Improved technological properties of the mixtures were obtained when processing a quicklycooled mixture. The plastic and elastic properties of mixtures change to a slighter degree when processing is carried out under industrial conditions (Figure 2). tendency to scorching when mixtures, cooled to room temperature after mixing, are processed at 110°C, is shown in Figure 3. The plantic and elastic properties of mixtures containing channel black and furnace black were also tested (Figure 4). Conditions of processing sometimes affect the degree of plasticisation of the mixtures in the initial stages of heating (5 to 10 minutes in a thermostat at 110 C), but have no appreciable effect on the final results i.e. on the plasticity of a mixture after heating for 50 to 60 minutes. Changes in the prop-

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Variations in the Properties of Crude Rubber Mixtures During Processing

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erties of rubber mixtures for tyres during processing were investigated (Figure 5). The obtained curves proved that approximately equal changes occur as during laboratery experiments. Changes in the strength of bonding between the layers during repeated displacement are shown to depend on the processing of mixtures on the rollers (Figure 6). Experiments were carried out on multicomponent tyre mixtures based on GES-30A with a planticity of 0.49 (according to Karrer). Different quantities of inhibitors and initiators were added during the polymerisation process (from 0.02 to 2% by weight). The additives were introduced into the cold mixture during processing at temperatures of 30 and 70°C over a period of 7 minutes. The plastic and elastic properties of crude mixtures were again determined on a Goodrich plastometer at 80°C during 10 minute deformation, and after

Card 3/5

SOV/138-59-3-7/16

Variations in the Properties of Crude Rubber Mixtures During Procesting.

a relaxation time of 10 minutes. The reactivity of the mixture was defined according to the scorching tendency at 110°C. The physical and mechanical properties of the vulcanisates were also analysed. The most effective additives were: benzoquinone, Santovar-O and hexamethylene tetramine; these compunds were added in the form of a solution in glycerine. Changes in the properties of crude tyre mixtures after rolling for 7 minutes at 30°C with/without additives are shown in Figure 7. The plasticity and reactivity of the mixture increases on introducing additives: thus the tendency to scorching becomes greater and affects the physical and mechanical characteristics of the vulcanisates (Table 1); (increased elasticity modulus and decreased relative elongstion.). The plasticity and reactivity of the mixture increases when Santovar-O and benzoquinone are added (Table 2). The physical and mechanical properties are, however, not affected by these additives, but the elactic modulus and tensile strength increase slightly when Santovar-O is added and the relative Card 4/5 elongation decreases. Dava on the ob erved officer of weell

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Variations in the Proposition of Carac Cabase Mixtures During Processing

quantities of additives on the kineal charges of the and elastic properties of mixtures during rolling agree with the results obtained by other investigators lefs 12 - 18).

There are 7 figures, 2 tables and 18 references of thath 16 are Soviet, 1 Emplish and 1 siench.

ASSOCTATIOn: Nauchno-is cledevatel'skiy institut shinnoy promyshlen-nosti (Scientific Research Institute of the Tyre Industry)

Card 5/5

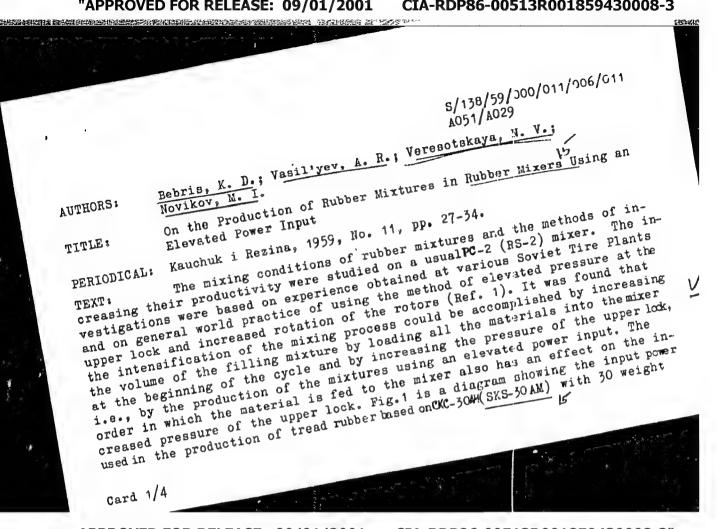
APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859430008-3"

BEBRIS, K.D.; VERESOTSKAYA, N.V.; NOVIKOV, M.I.; AKSENOV, V.I.; KABICHKINA, S.I.

Effect of the method of mixing on the properties of rubber made from oil-extended butadiene-styrene raw material.

Kauch. i rez. 22 no.6:17-20 Je *63. (MIRA 16:7)

1. Nauchno-issledovatel skiy institut shinnoy promyshlennosti. (Rubber, Synthetic—Testing)



S/138/59/000/011/006/011 A051/A029

On the Production of Rubber Mixtures in Rubber Mixers Using an Elevated Power Input

parts of furnace and 30 weight parts of channel carbon black. shows the energy consumption and the input power used in the production of the mixtures in addition to the physico-mechanical indices of the corresponding rubbers. It is concluded that the mixing intensity is directly proportional to the input power. The specific energy consumption during the mixing process of mixtures of the same compositions at elevated power input and correct mixing conditions is approximately the same as for ordinary conditions. The general criterion for evaluating the mixing intensity is the input power, and for the mixing duration the energy consumption at given conditions. In producing a mixture with a hardness of 500-800 g according to Defoe, a specific pressure at the upper lock of 1.2 kg/cm² was found to be adequate, corresponding to the highest values of the input power and the consumption of energy per unit of time. The value of 1.2 kg/cm was accepted as the optimum specific pressure. The replacement of the upper cylinders having a diameter of 203 mm by those having a diameter of 407-410 mm at tire plants in the Soviet Union is unjustified, since the mixtures manufactured in the Soviet Union are not as hard as those manufactured

Card 2/4

S/138/59/000/011/006/011 A051/A029

On the Production of Rubber Mixtures in Rubber Mixers Using an Elevated Power Input

abroad, which have a hardness of 1,200-1,500 g. The clearance between the rotor comb and the wall of the mixing apparatus has a direct bearing on the intensity of the mixing process, the optimum value being 4.5 mm, at a charge of 158 liters or a 62.5%-filling of the mixing apparatus. Research carried out at the NIIShP and various tire plants resulted in an increase in this volume to 155-164 l for casing mixtures and 150-155 l for tread mixtures, depending on the mixing temperature and the distribution of the ingredients in the mixture, and also on the clearance between the rotary combs and the walls of the mixer. It is pointed out that feeding the carbon black into the mixer after the other ingredients can decrease or eliminate the effect of the increased pressure at the upper lock on the mixing procedure. It is recommended that first the furnace carbon black be introduced, then liquid softeners, then the finely-ground ingredients, the rubber, and finally the channel carbon black. A reverse sequence is recommended when producing mixtures containing lump-forming carbon blacks, such as channel carbon black and anthracene. When loading all the ingredients into the mixer at the beginning of the cycle and at an elevated pressure of

Card 3/4

S/138/59/000/011/006/011 A051/A029

On the Production of Rubber Mixtures in Rubber Mixers Using an Elevated Power Input

the upper lock the optimum duration period is 5.0-6.5 min. (depending on the composition of the mixture). The following characteristic features of mixing in the RS-2 mixer were established: 1) The mixture temperature during the mixing process increases proportionately to the energy consumed in the mixing. 2) The compression system of the rotors should be improved to eliminate an increase in extruded parts and dusting. 3) In applying an elevated power input to the RS-2 mixer, the loading apparatus can be subjected to vibrations, leading to a loosening of various parts, such as the loading funnel and cylinders. It is suggested that these defects be eliminated by close observations. Producing rubber mixtures at an elevated power input decreases the mixing time and improves the quality of the mixture at the same time. There are 4 sets of diagrams, 6 tables and 5 references: 2 Soviet, 3 English.

ASSOCIATION: Nauchno-issledovatel'skiy institut shinnoy promyshlennosti (Scientific Research Institute of the Tire Industry)

Card 4/4

VERY SOTSENYN,

138-1-4/16

AUTHORS:

Bebris, K. D; Veresctskaya, N. V; Zherebtscv, A. N:

Novikov. M. I.

TITLE:

Investigation of a Rapid Mixing Process in the Rubber Mixer 3A. (Issledovaniye protsessa skorostnogo

smesheniya v rezinosmesitele 3A).

PERIODICAL:

Kauchuk i Rezina, 1958, Nr.1. pp. 13 - 20. (USSR).

ABSTRACT:

The intensification of mixing in a rubber mixer was achieved by increasing the speed of the revolutions of the rotorand by increasing the pressure of the seal on the mixture. Fig. 1 shows the ratio of duration of mixing to the pressure of the upper seal for butadiene-styrene rubber (according to R. N. Comes - Ref. on page 20). In the mixer No.11 the speed of revolutions = 40 revolutions minute; the optimum pressure on the mixture 4-5 kg/cm²; the pressure of air in the cylinder: 7 atms. For this experiment the rubber mixer 3A was modified, the speed of the revolution of the rotors was increased from 28.4/32.1 to 57.2/64.6 revolutions/minute. The 100 KWT motor was exchanged for a 195 KWT motor; the pressure of the upper seal on the mixture was increased to 4.8 Kg/om2 by installing a 370 mm diameter

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138-1-4/16 ther Mixer 3A.

Investigation of a Rapid Mixing Process in the Rubber Mixer 3A.

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cylinder. Sprayers improved the cooling arrangement of the mixer. Basic technological factors influencing the process of mixing were determined. Various experiments were carried out to determine the optimum height of charging the mixer. The optimum volume was found to be 41/43% (Fig.2). Fig. 3 gives the dependence of the properties of the mixtures and vulcanising agents and the volume of the charge of mixture and the methods of mixing. The optimum time of the process of mixing in the first stage was found to vary between 12 - 2 minutes; for mixtures containing a large amount of carbon black e.g. 2Pv-305, the optimum time of mixing = 2 minutes. Results of experiments to determine the optimum temperature of mixing are given in Table 2. The dependence of the properties of the mixtures and vulcanisates and the pressure of the upper seal and method of mixing: Fig. 4. The effect of the pressure of the upper seal on the process of mixing when the charge was 50 litre, according to methods of mixing: Figs.5, 6 and 7. From results given in Figs. 5 - 8 it can be concluded that the pressure of the upper seal should be approximately 3 Kg/cm² for a 50 litre charge and

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Investigation of a Rapid Mixing Process in the Rubber Mixer 3A.

the plasticity of the mixture above 0.40(according to Karrer). When the pressure of the upper seal is increased from 0.66 to 3 kg/cm² the average input and loss of electro-energ, increases from 14 to 17%, whilst the properties of the mixture and vulcansates remain constant. The load on the motor is practically unchanged when the volume of the mixture is increased from 40 to 45 litre and the pressure of the upper seal on the mixture is 4.3 kg/cm² (Fig.9). Good results were obtained when natural rubber was plasticised in the mixer; the temperature of the rubber was increased from 140 - 1500C after processing for 3 minutes, and to 155 - 160°C when the time of the experiment was increased from 5 to 7 minutes. 6-7 minutes processing was required to achieve a plasticity of 0.37 - 0.40 (Fig.11). When natural rubber was plasticised in the presence of accelerators a 0.45 plasticity (according to Karrer) was obtained after 3 minutes at a temperature of 145°C. Experiments on controlling the rate of the mixing process were also carried out. The consumption of electro-

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138-1-4/16 Investigation of a Rapid Mixing Process in the Rubber Mixer 3A.

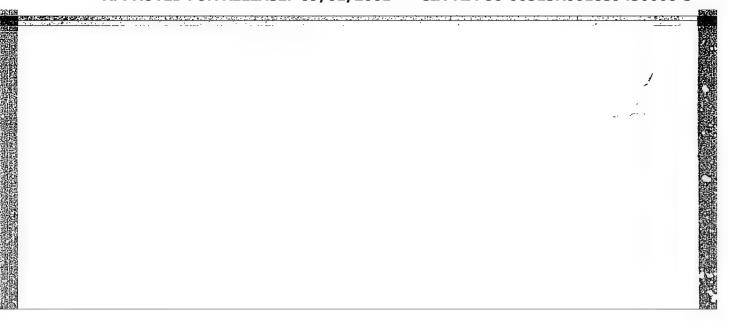
> energy was investigated and results are given in Table 4. Mixtures prepared by the 2-stage method of mixing make it possible to improve the properties of mixtures. The process is more economical because when compared with 1-stage methods only about one third of the number of mixers are required. There are 11 Figures, 4 Tables and 1 English Reference.

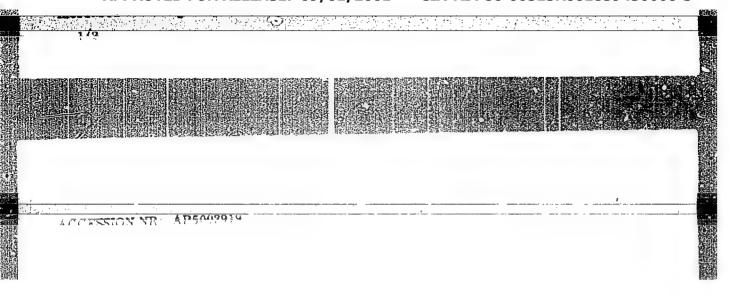
ASSOCIATION: Research Institute of the Rubber Tyre Industry. (Nauchno-issledovatel skiy institut shinnoy promy-

shlennosti).

AVAILABLE: Library of Congress.

Card 4/4

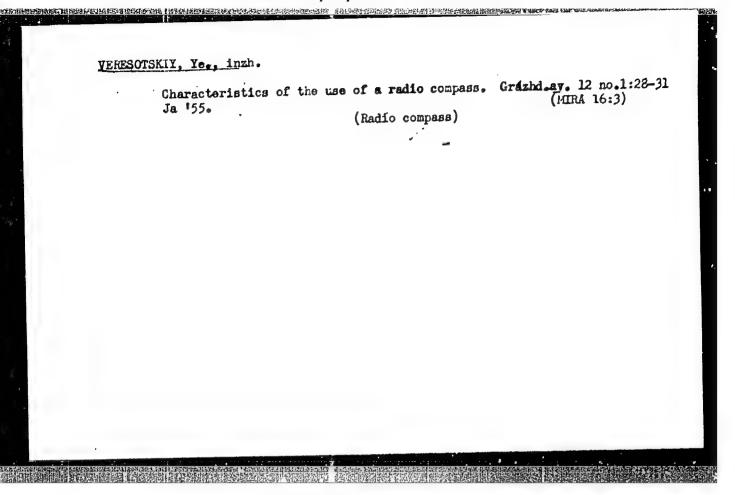


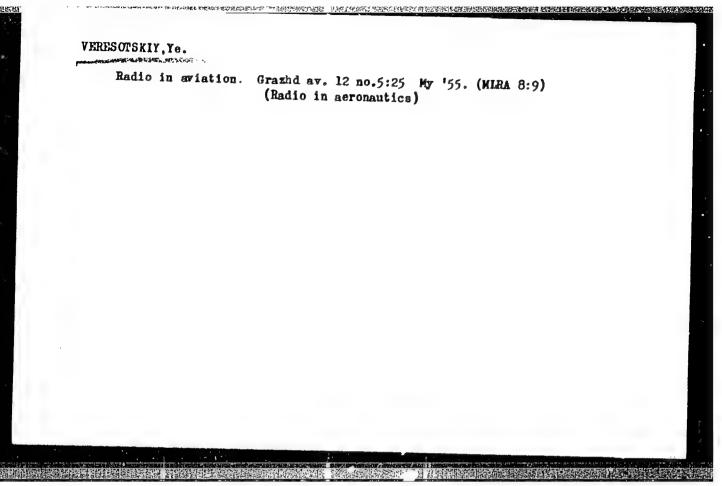


VERESOTSKAYA, N.V.; BEBRIS, K.D.; SLONIMSKIY, G.L.

Changes of properties of crude rubber mixture during industrial processing. Kauch.i rez. 18 no.3:27-33 Mr 159, (MIRA 12:5)

1. Nauchno-issledovatel'skiy institut shinnoy promyshlennosti.
(Rubber)





VERESCITSKIY, TE.

USSR / Radio Physics. Application of Radio-Physics Methods.

I-12

Abs Jour : Ref Zhur - Fizika No 3, 1957, No 7405

Author : Varasatskiy, Ta.

Title : Radar For Civil Aircraft.

Orig Pub : Grazhd. aviatsiya, 1956, No 8, 26-28

Abstract : Survey article, devoted to the development of radar for warning

against collision of airplanes in the air.

Card : 1/1

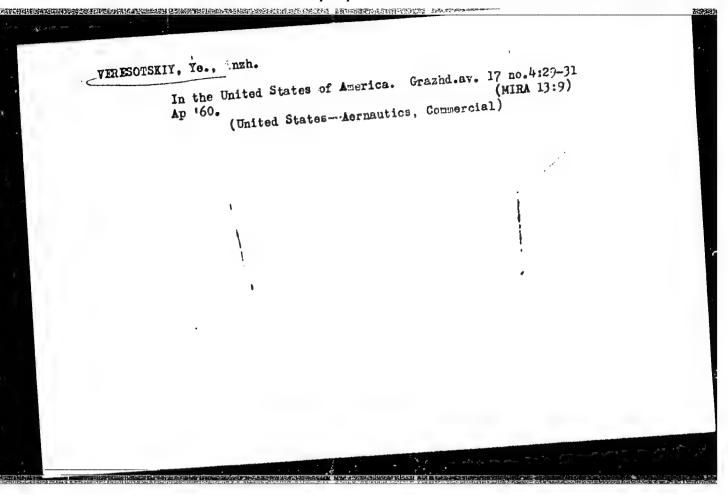
Lower the Cost of Radio Servicing of Flights

84-12-34/49

transistor devices, reduction of stand-by facilities and elimination of the necessity for constant supervision are suggested. Reduction of maintenance costs is considered to depend primarily on the level of automatization and remote control, which yields savings in payroll expenses. Automation in turn is dependent on the centralization of power supply in the airports and along the airways.

AVAILABLE: Library of Congress

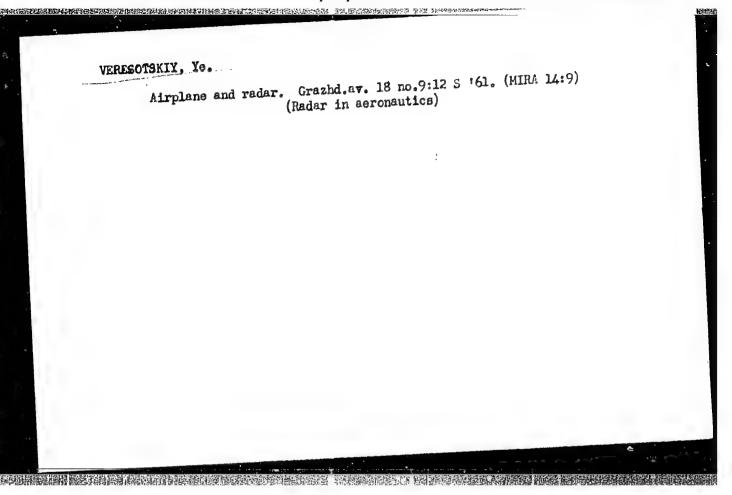
Card 2/2



Combined or divided? Grazhd.av. 18 no.1:22-23 Ja '61.

1. Nachal'nik Upravleniya svyazi i radiosvetoobespecheniya poletov
Aeroflota.

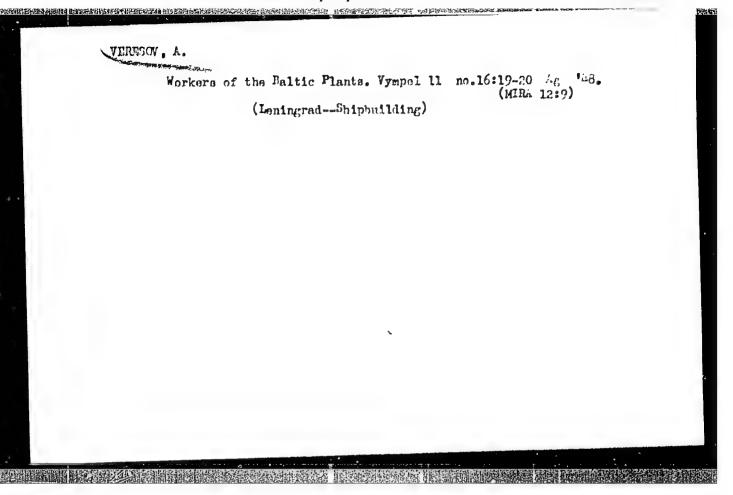
(Instrument landing systems)

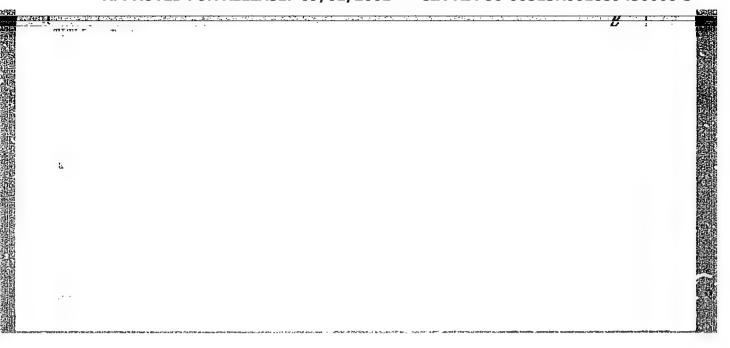


VERESOTSKIY, Ye., insh.

Impressions from London. Grazhd.av 17 no.9:29 S '60. (MIRA 13:9)

(London--Airports)





USSR/Cultivated Plants. Potatoes. Vegetables. Relons.

Abs Jour: Ref Zhur-Biol., No 5, 1958, 20344.

: K.li. Veresoy Author

Inst Title

: A Method of Cultivating Cabbage Without a Hotbed in the : Leningrad Agricultural Institute. Non-Chernozem Belt. (Bezrassadnyy sposob kul'tury kapusty

v nechernozemnoy polose).

Orig Pub: Zap. Leningr. s. -kh. in-ta, 1956, vyp. 11, 134-141.

Abstract: Research conducted at the Leningrad Agricultural Institute and in sovkhozes and kolkhozes of the oblast indicate the possibility of obtaining increased yields of early and medium-late varieties of white and fodder cabbage and cauliflower by a method of cultivating them without the use of the hotbed. The agrotechny of cultivation is described, the sowing times, fertilization,

: 1/2 Card

5, 1958, 20344.

14

APPROVED FOR RELEASE: 109/01/2001 CIA-RDP86-00513R001859430008-3' the head in comparison to the hotbed culture of the head in comparison to the hotbed culture is noted, as well as the augmented bulk and altered nature of the root system (the formation of a teproot with powerful side

Card

: 2/2

M

Category: Cultivated Plants. Potatoes. Vegetables.

Cucurbits.

Abs Jour: RZhBiol., No 22, 1958, No 100302

: Veresov, K.N. Author

: Cabbage Planting by Sowing Directly into the Inst

Title Ground.

Orig Pub: Sad i ogorod, 1958, No 3, 15-18

Abstract: During 1947-1957, yields of up to 500 centners/ha were secured in the experiments of Leningrad Agricultural Institute, at the

Training and Experimental Farm, and at a number of kolkhozes and sovkhozes in Lenin-

Card : 1/2

Μ

Country : USSR

Category: Cultivated Plants. Potatoes. Vegetables.

Cucurbits.

Abs Jour: RZhBiol., No 22, 1958, No 100302

gradskaya and Moskovskaya Oblasts, with the planting into the ground of early, intermediate, and intermediate-late varieties on well fertilized soil, after winter cereals or on the bed of perennial grasses on floodland plots and reclaimed peat bogs. General principles of agricultural technique are given for the cultivation without transplanting in the non-chernozem belt. -- M.V. Dranishnikov

Card : 2/2

M-61

BRYZGALOV, Valentin Andreyevich, prof.; <u>VERESOV, Konstantin Nikolayevich,</u> dots.; KUSOVNIKOV, Ye.N., red.; BARANOVA, L.G., tekhn. red.

[Vegetable gardening]Ovoshchevodstvo. Leningrad, Sel'khozizdat, 1962. 343 p. (MIRA 16:2)

36332 Vliyaniye torfyanyah kompostov na uroshay kapusty I kartolliya. Esyleki leningr. S-Kh in-ta, Vyy. 5, 1948, C. 33-44-Bibliogr: 16 Magy.

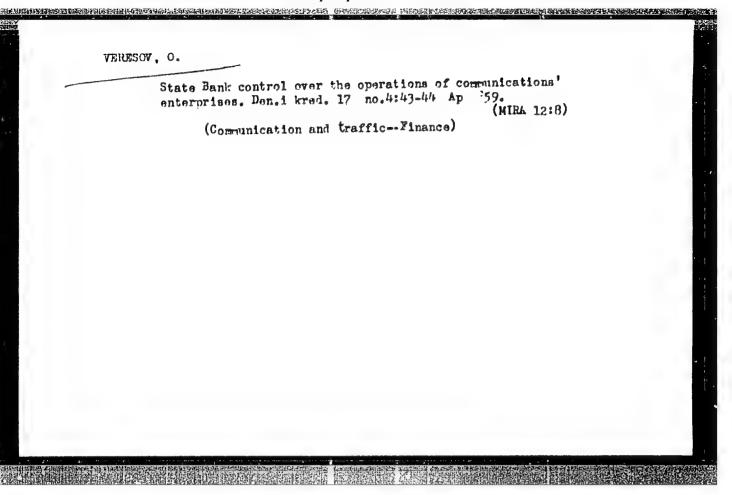
30: Letopis' Zhurnal' nykh Statcy, No. 49, 1949

Vancouvity are to

KARNAUKHOV, Ivan Prokod vevich, dots.; IVALKIN, Vasiliy Kirillovich, prof.; VEFESOV, Konstantin Nikolaysvich, dots.; BONDAFFURC, Nikolay Vasil vevich, dots.; NIEICHIN, Konstantin Georgiyevich, dots.; LANGE, K.F., kund. sel khoz. nauk, dots., retsenzent; MERKULOV, M.P., kund. sel khoz. nauk, dots., retsenzent; NOVIKOV, A.A., kund. sel khoz. nauk, dots., retsenzent: MOSUL KC, I.M., st. prepod., retsenzent; SAFRONOVA, O.G., st. prepod., retsenzent; YEFIMOV, A.L., red.

[Fundamentals of agriculture] Osnovy sel'skogo khoziaistva. 3. perer. izd. Moskva, Prosveshchenie, 1965. 646 p. (MIRA 18:3)

1. Kuybyshevskiy pedagogicheskiy institut (for Lange, Merkulov). 2. Orlovskiy pedagogicheskiy institut (for Novikov, Nosul'ko, Safronova).



MAKAR'YEV, P.N.; SIROTA, M.M.; VERESOV, V.Ya., inzh., nauchnyy red.; ROTENBERG, A.S., red.izd-va; ROZOV, L.K., tekhn.red.

[What's new in the mechanization of construction] Novoe v mekhanizatsii stroitel'stva. Leningrad, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam, 1959. 62 p. (MIKA 13:6) (Building machinery)

FRIDMAN, Ya.D.; VERESOVA, R.A.; DOLGASHOVA, N.V.; SOROCHAN, R.I.

Formation of mixed comples compounds of metal oxalates in ethylenediamine solutions. Zhur.neorg.khim. 8 200.3:676-684 Mr 163. (MIRA 16:4)

1. Akademiya nauk Kirgizskoy SSR.
(Oxalates) (Complex compounds) (Ethylenediamine)

SALYAYEV, R.K.; VERESOVA, Z.A.; GAVRILOVA, T.M.

Physiological aspects of the effect of adult pine roots on young seedlings growing in their proximity. Trudy Inst. biol. UFAN SSSR no. 43:149-153 '65 (MIRA 19:1)

1. Vostochno-Sibirskiy biologicheskiy institut Sibirskogo otdeleniya AN SSSR i Institut lesa Karel'skogo filiala AN SSSR.

VERESS, Andor, okleveles mernok

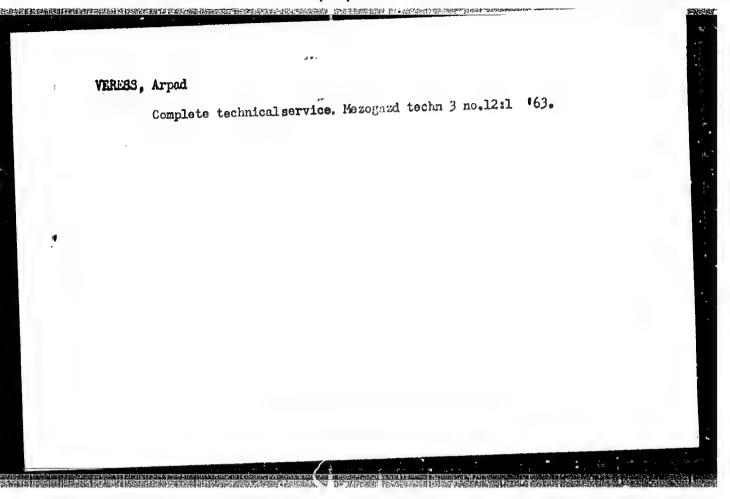
Remark about dr. Lehel Hovanyi's article entitled "Water-proof shaft-plumbing installation." Bany lap 96 no.12: 939-940 D'63.

1. Banyaszati Tervezo Intezet, Budapest.

VERESS, Andor, okl.mernok.

Shaft plumbing equipment with opel scale division. Bany lap 93 no.6:390-394 Je 160.

1. Banyaszati Tervezo Intezet, Budapest.



VIHIUSO, E.

"Reverenus" congregation in Dunajentele; data on the jeasant novements during the first decade of the dualism. p. 562 (Ethnographia fol. 67, no. 4, 1996 Budajest)

SO: Nonthly list of East European Accession (EENL) IC. Vol. (no. 7, July 1957, Prol.

VERESS, Elemer, Dr.; HETYMI, Pal, Dr.

Rupture of corpus lateum cyst similating symptoms of ruptured ectopic pregnancy. Magy. noorv. lap. 21 no.5:297-299 Oct 58.

1. A Szegedi mj. varosi tanacs korhaza (igazgato: Hagy Iaszlo dr.) azuleszeti es nogyogyaszati osztalyanak (foorvos: Bodis Iajos dr.) kozlemenye.

(PRECHANCI, ECTOPIG, differ.diag.

corpus lateum cyst rupt. simulating ruptured ectopic pregn. (Hun))

(CORPUS INTEUM, cysts
rupt. simulating ruptured ectopic pregn. (Hun))

VERESS, Elemer, dr.; ANTAL, Albert, dr.

Our case of disgerminoma. Magy. noorv. lap. 24 no.6:379-381 N '61.

1. A Szeged m. j. Varosi Tanacs Korhaza (igazgato: Nagy Laszlo dr.)
szuleszeti es nogyogyaszati osztalyanak (foorvos: Bodis Lajos dr.)
kozlemenye.

(DISGERMINOMA case reports)

VERESS, Gabor Ebullioscope heated by means of a thermostat. Magy ken lap 18 no.9:458 S 163. 1. Gyogyszeripari Kutatointezet.

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859430008-3"

VERESS, Gabor

Nomogram and punched card system of molecular weight determination. Magy kem lap 18 no.9:457-458 S '63.

1. Gyogyszeripari Kutatointezet.

MIZSEI, Antal; IGLOY, Margit; VERESS, Gavor

Determination of small quantity glycerin. Magy kem lap 19 no.9: 503-504 S 164.

1. Research Institute of the Pharmaceutical Industry, Budapest.

BODA, D., dr.; MI RATYI, L., dr.; PATEKI, L., dr., VIVID, Ilona, dr.

Resuscitation measures and first-aid treatment. Pediatria (Eucur.) 14 no.2:97-99 Mr-Ap'65.

- 1. Lucrare efections in Charles as posserie a Universitatii
- de stiinte medicale din Szeged (Ungaria) (director: prof.
- D. Boda).

PASZTOR, Endre; VERSS, Imre

Ion beam position stabilizer for the NG-200/1 neutron generator. Koz fiz kozl MTA 11 no.4:311-319 163.

VERESS, Istvan; VEREELY, Andras

Some problems relating to the technical development.

Vasut 12 no.10:3-4 25 0 '62.

1. MAV Vasuitervezo UV.

HEROLD, Istvan; VEFESS, Laszlo

Determining the milk protein producing capacity of Hungarian spotted cows and the efficiency of their selection on the basis of milk fat production. Allattenyesztes 13 no.2:109-114 Je '64.

1. Chair of Animal Breeding, College of Agriculture, Debrecen.

VERESS, Laszlo

BARCZY. Geza

HUNGARY

Animal Husbandry Research Institute, Cattlebreeding Department (Allattenyesztesi Kutatointezet Szarvas-marhatenyesztesi Osztalya), Budapest

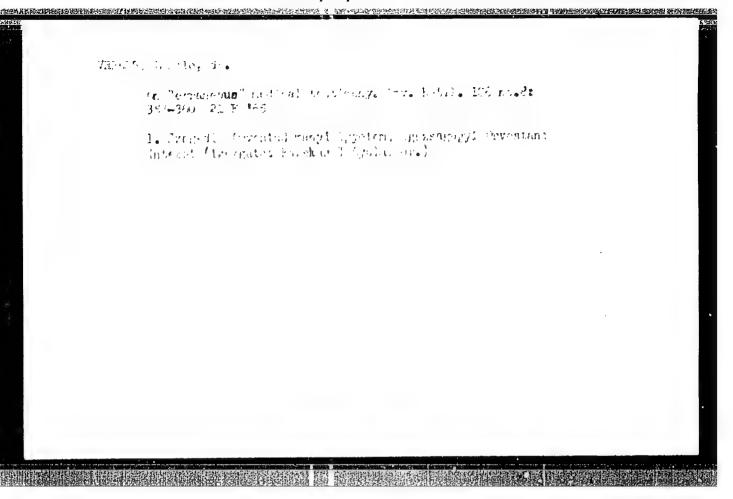
Budapest, Allattenyesztes, No 3, Sep 62, pp 193-202.

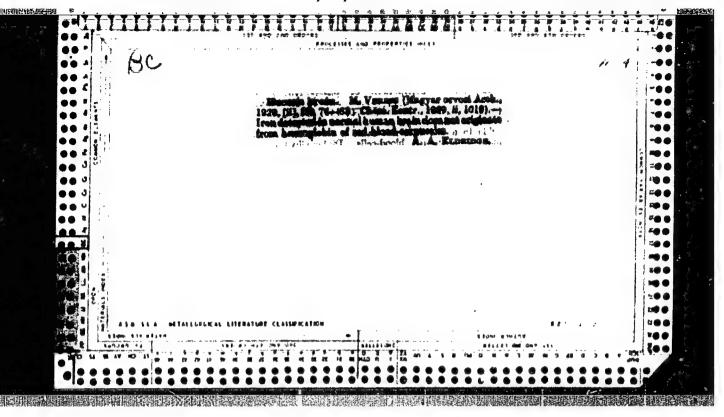
"The Self-feeding of Bullooks Between Spring and Autumn."

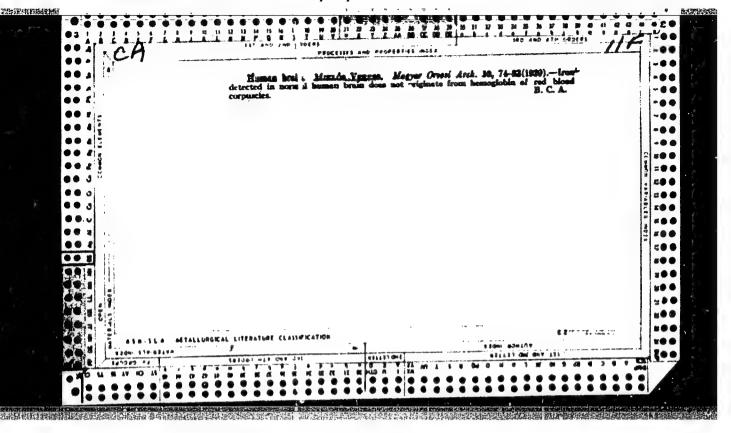
Co-author:

VERESS, Laszlo, Agricultural University, Experimental Farm (Agrartudomanyi Egyetem Tangazdanaga) Hajduszoboszlo.

MOLNAR, Endre; VERES;, Laszlo
Preparing hydraulic construction designs. Good kar: 17 nc.1: 31-34 '65.







NAGY, Endre, dr.; VERESS, Miklos, dr.

Incidence of Staphylococcus carriers and its significance in relation to hospitals. Orv.hetil. 100 no.51:1834-1837 D '59.

1. Szeged Megvei Jogu Varosi Tanacs Korhaza (igazgato: Nagy Laszle dr.) Kozponti Laboratoriumanak (foorvos: Veress Miklos dr.) kozlemenye.

(HOSPITALS)
(STAPHYLOCOCCAL INFECTIONS transm.)

RUMANIA

576.852.211:615.84

AUSLANDER, D., POP, E., BUZILA, A., VERESS, E., and ARDEVAN, A. Work performed at the Three-Year Pedagogical Institute (Institutul Pedagogic de 3 Ani) and the "Babes-Bolyai" University (Universitatea Babes-Bolyai"), Cluj.

"The Action of Ultrasound on Koch bacillus."

Bucharest, Microbiologia, Parazitologia, Epidemiologia, Vol 11, No 6, Nov-Dec 66, pp 549-557.

Abstract [Authors' English summary modified]: The authors studied the effects of sound fields with a total: power of 150 to 250 watts at constant temperature on cultures of Moch bacilli dispersed in normal saline from a solid Loewenstein-Jensen medium. The dissemination of the bacilli in the dispersion media was also studied, as were their frequency, the proportion of live bacilli to the initial amount, cultivation characteristics in solid and liquid media, development of the germs under the activity of ultrasound waves and in the presence of antibiotics. Among the conclusions were that ultrasound brings about a numerical reduction of the bacilli but does not change their basic characteristics.

Includes 8 figures, 4 tables and 8 references, of which 4 German and 4 French. -- Manuscript submitted 29 September 1965.

^{2/2}APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859430008-3

OHOSZ, Laselo, dr.; VEHEUS, O. Olivia, dr.

Trouteert of atternactoratio patients with elastass. Grv. hetil. 106 no.44:2002-2004 31 0 1 65

l. Debreceni Cryostudomenyi Tgyotom, I. Belklinike os II. Sebenseti Klimika.

KISS, Antonia; CSABA, B.; DAMJANOVICH, S.; VERESS, Olivia; SZILAGYI, T.

相关我们能够是**在**的现在分词,我们还是一个人的人,我们就是一个人的人的人们,我们就是一个人的人的人,我们就是一个人的人,我们是一个人的人,我们是这个人的人的人的

Diabetes and anaphylaxis. Acta physiol. acad. sci. hung. 23 no.3: 275-279 163.

1. Institute of Pathophysiology, Medical University Debrecen.

(ANAPHYLAXIS) (ALLOXAN DIA BETES) (INSULIN) (HISTAMINE)

(BLOOD CHEMICAL ANALYSIS) (BLOOD SUGAR)

(BLOOD PRESSURE DETERMINATION) (OVALBUMIN)

KCCSAR, Lasslo; VERESS, Olivia; KAJTOR, Ferenc

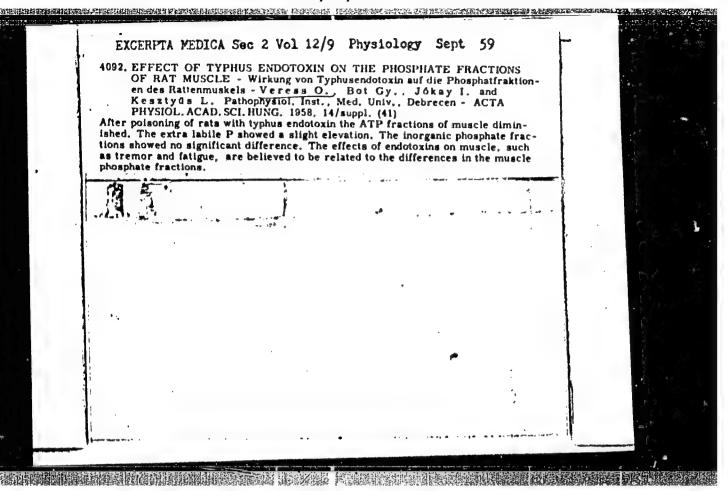
Effect of andaxin (meprobamate) on the phosphorylase activity of the skeletal musculature. Ideg. szemle 13 no.3:9%-93 Mr *60.

1. A Debreceni Orvostudomanyi Egyetem Korelettani Intezetenek (igazgato: Dr. Kesztyus, Lorant) es Ideg-Elmeklinika janak (igazgato: Dr. Juhass, Pal) kozlemenye.

(MEFRORAMATE pharmacol.)

(MESCLES pharmacol.)

(PHOSPHORYLASES chem.)



KOSCAR, L.; SZILAGYI, T.; VERESS, O.; RAH, A.

Effect of largactil on the formation of immune bodies. Kiserletes orvostud.
10 no.4:416-419 Aug 58.

的一个人,这个人的一个人,我们是一个人的人,我们就是一个人的人们是一个人们的人们,我们们们的人们,我们们们的人们,我们们是这种我们是一个人们的人们,我们们们是这

1. Debreceni Orvostudomanyi Egyetem Korelettani Intezete es I. sz. Belklin-ikaja.

(ANTIBODIES,
form., eff. of chlorpromazine in rabbits (Hun))
(CHLO.PROMAZINE, eff.
on antibody form. in rabbits (Hun))

KOCSAR, L.; SZILAGYI, T.; VERESS, O.; FAN, A.

Effect of chlorpromazine on immune body formation. Acta physiol. hung.
14 no.2:163-166 1958.

1. Institute of Pathophysiology and lat Department of Medicine,
Hedical University, Debrecen.

(ANTIBODIES
form., eff. of chlorpromazine in rabbits)

(CHLORFROMAZINE, eff.
on antibody form. in rabbits)

SZENTIVANY, A.; POLDES, I.; VEHESS, P.

Tissue changes in thyroid gland following chronic experimental nicotine poisoning; contributions to the so-called nicotine hyperthyroidism on the basis of experimental and quantitative histological examinations. Orv. hetil. 93 no. 50:1424-1427 14 Dec 1952. (CIML 24:1)

1. Doctors. 2. First Internal Clinic (Director -- Prof. Dr. Bela Fornet) and Institute of Anatomy, Histology, and Embryology (Director -- Prof. Dr. Istvan Krompecher), Debrecen Medical University.

```
Pathological aspects of diabetes in pregnancy. Orv. hetil. 97 no. 17:455-457 22 Apr 56.

1. A Debreceni Orvostudomanyi Egyetem I. ss. Belklinikajanak (igasgato: Fornet, Bela dr. egyet tanar) Koslemenye.

(DIABETES MELILIUS, in pregn.

diag. & ther. aspects & eff. on fetus (Hun))

(PREGNANCY, compl.

diabetes mellitus, diag. & ther. aspects & eff. on fetus. (Hun))
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PETERFFY, Pal, dr.; VERESS, Pal, dr.

The effect of light on the genital glands and egg yield of hen. Term tud kozl 7 no.5:219-220 My '63.

l. Targu-Mures-i (marosvarsarhelyi) Klinikai Korhazak Onkologiai Gondozo Intezete es a Targu-Mures-i Orvostudomanyi es Gyorgy-szereszeti Intezet Korbonctani Tanszeke, Romania.